1 YEAR BASIS — CONVERSION

PERSONNEL — 8 EDITORS & CODERS
8 PUNCHERS
4 VERIFIERS

20   —   ₳ 4000   ₳ 84,000

1 SUPERVISOR —   6700   6700
(GS-9)

GS-7 (5540)   ₳ 90,700

EQUIPMENT

8 CARD PUNCH MACHINES   ₳ 3840
(40.00 EA/MO)

4 VERIFYING (50.00 EA/MO)   2400

₳ 6240 ? ₳ 8000 (8160)
024   026

EQUIPMENT — CURRENT CARDS — TO BE HANDLED BY SRD

SRD { 3 CARD PUNCH MACHINES   ₳ 1440   12,000/MO
1 VERIFIER   600   3 CLERKS NOW
1 INTERPRETER   1200   TYPING

3,000/WK

₳ 3240   1 GUL 600/DAY

RATE OF SPEED

EDITING & CODING — 150 CARDS/HR   700 CARDS/DAY — 250/HR
CARD PUNCHING — 100 "   175,000 × 8 = 1,400,000
VERIFICATION — 200 "

8000 KEYSTROKES

<u>Statistics</u> – Indices Section

1. Additions to index yearly – 144,000 (or 12,000/month)

2. Present equipment

     44 rolldex (13 trays each) – 1 rolldex – occupations, etc.)
     (24x51x32) –

     1 rolldex – 25 linear feet – 30,000 cards

3. Space – 2,125 sq. feet – total
        825 sq. feet – desks (20)
     1,300 sq. feet – rolldex cabinets   (1 cabinet – 30 sq. feet)

4. <u>Growth</u>

     44 cabinets – hold 1,320,000 cards 0 – 3x5 hard card
          280,000 – overt flimsies – not hard card

     10 cabinets more – flimsies typed to hard card 280,000/30,000

     Additional space – 300 square feet

     Additions yearly – 144,000 – 5 cabinets yearly

5. <u>Density</u> –   <u>3x5</u>
              approx 1000 cards/ft. – normal
              max.   1200 cards/ft.

                   <u>IBM</u>

     normal – approx 1500/ft –
     max   – "   1800/ft

6. <u>Proposed modification</u>

     44 rolldex – 10 trays –   3,000/tray – 30,000/rolldex

     Thinner card than 3x5 card – REQUIRE LESS FLOOR SPACE –

EAM System

EAM Equipment	Monthly
	$120
3 card punch – to create index cards	100
2 verifiers – to check punching accuracy	100
1 interpreter – to print punched cards	110
1 sorter – sequence additions to indices	245
1 collator – to provide sequence checking	800
1 alphabetic accounting machine – reports	
	$1475

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Above needed for daily operations – not part of the conversion

Some machine costs may be offset by:

> 1 punch machine in SRD (control desk)

> Machine time now utilized to produce listings for SRD by the Machine Division/ Comptroller's office.

Tape System

Card reader
High Speed printer
4 tape drives
central processing unit
8,000 positions of core memory

IBM 1401 – 800 sq feet
Computer components can be compactly arranged

Printing card punch machines – verifiers – each 31"/28" sq ft.
Sorter – 63"x20"

IBM Card backup

Space requirement – 130 sq. ft. – 10% of current area – cabinets at eye level

700 cards 0 interfile – 2 hrs/day – 1 clerk responsible for maintenance of index.

Computer time – 1 to 2 hours to handle daily volume of index searched. Deletions and changes to index on daily basis would require 30 min. additional computer time/day.

Tape

Personnel Required:	1 file clerk and searcher
	5 key punch operators
	1 code clerk & editor
	1 clerical supervisor
Computer	3 systems analysts
	4-5 programmers
	2 console operators
	supervisory & Mgmt personnel
Computer cost	$7,500 - $10,000 / month

15-30% utilization - (176) - remainder of time charged to other applications - would range from $1125 - $3,000 per month

Equipment

Key punch machines (3)	$120
Verifiers (2)	100
Sorter (1)	125
Interpreter (1)	100